

Abstract

1. Device for performing safety functions in areas with high frequency radiation.

5 2.1. The object was to create a device that reacts to abnormal operating states with inadmissible heating and fire hazard in screened and inaccessible areas with high frequency radiation, in order to perform safety functions of the processing device and to largely prevent or keep within limits damage to this and the substances treated.

10 2.2. According to the invention in the area with high frequency radiation, at least one sensor that does not react to and does not affect the high frequency radiation is arranged to detect process-critical states such as excess temperatures, which is connected with an already known safety device such as a cooling unit with inert gases or a fire extinguishing system.

15 2.3. The invention allows advantageous detection and removal of hazards when working in areas with high frequency radiation.

3. Figure 1